

**Abstract**

~~Method for synchronizing network nodes in a subnetwork~~ **ABSTRACT OF THE  
DISCLOSURE**

~~The invention proposes a~~ A method for synchronizing the timers of the network nodes (~~NK1, NK11, NK12, NK13, NK14~~) in a network to the precise microsecond, where at least one of the network nodes (~~NK1~~) undertakes the function of the network master in a subnetwork and the time on the master is used as a reference time ( $t_M$ ) for the subnetwork which is to be synchronized. ~~The~~ where the master first causes no unauthorised communication to take place in the subnetwork during the subsequent method steps. ~~The~~ master then sends a delay-time measurement message to every network node in the subnetwork in order to ascertain the signal delay time, the master then sends a time setting message to every network node, and finally the time on the network nodes is aligned with the reference time ( $t_M$ ) for the subnetwork, preferably on a step-by-step basis.

**~~FIGURE 1~~**